RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY SYSTEMS BRANCH
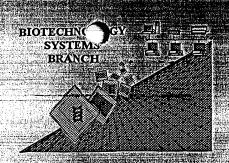
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _O9/485,131_

Source: _1651_

Date Processed by STIC: _8-17-00_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _09/485,131_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223>
sections for Artificial or Unknown sequences.**

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

possibly all

12 ✓ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is ."Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

1651

```
           RAW SEQUENCE LISTING              DATE: 08/17/2000
           PATENT APPLICATION:  US/09/485,131  TIME: 15:17:59

           Input Set : A:\Cpg.pto
           Output Set: N:\CRF3\08172000\I485131.raw
```

Does Not Comply
Corrected Diskette Needed

See pp. 1,2,3,4,5

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    3 <110> APPLICANT: ROHDE, Wolfgang
    4        BECKER, Dieter
    5        SALAMINI, Francesco
    7 <120> TITLE OF INVENTION: The Use of Primers for Universal Fingerprint Analysis
    9 <130> FILE REFERENCE: 147-193P
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/485,131
C--> 12 <141> CURRENT FILING DATE: 2000-06-22
   14 <150> PRIOR APPLICATION NUMBER: PCT/EP98/04877
   15 <151> PRIOR FILING DATE: 1998-08-05
   17 <150> PRIOR APPLICATION NUMBER: EP 97 11 3601.5
   18 <151> PRIOR FILING DATE: 1997-08-06
   20 <160> NUMBER OF SEQ ID NOS: 45
   22 <170> SOFTWARE: PatentIn Ver. 2.1
   24 <210> SEQ ID NO: 1
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   26 <212> TYPE: DNA
   27 <213> ORGANISM: Artificial Sequence
   29 <220> FEATURE:
   30 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
   31       sequence
   33 <400> SEQUENCE: 1
   34 gtattgtacg tggatgacat c                                    21
   37 <210> SEQ ID NO: 2
   38 <211> LENGTH: 19
   39 <212> TYPE: DNA
   40 <213> ORGANISM: Artificial Sequence    OK
   42 <220> FEATURE:
   43 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
   44       sequence
   46 <400> SEQUENCE: 2
   47 ttttctactt catgtctga                                      19
   50 <210> SEQ ID NO: 3
   51 <211> LENGTH: 18
   52 <212> TYPE: DNA
   53 <213> ORGANISM: Artificial Sequence    OK
   55 <220> FEATURE:
   56 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
   57       sequence
   59 <400> SEQUENCE: 3
   60 aataaatcga tcatcgac                                       18
   63 <210> SEQ ID NO: 4
   64 <211> LENGTH: 18
   65 <212> TYPE: DNA
   66 <213> ORGANISM: Artificial Sequence    OK
   68 <220> FEATURE:
   69 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
   70       sequence
```

→ proper response

→ Need to explain the source of the genetic material in the sequence.

See #12 on Error Summary Sheet

* Please check entire sequence listing for this same error.

```
RAW SEQUENCE LISTING                        DATE: 08/17/2000
PATENT APPLICATION:   US/09/485,131         TIME: 15:17:59

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\08172000\I485131.raw

72 <400> SEQUENCE: 4
73 aggaggtgaa taccttag                                    18
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 21
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
83        sequence
85 <400> SEQUENCE: 5
86 ttttctactt catgtctgaa t                                21
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 18
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
96        sequence
98 <400> SEQUENCE: 6
99 aaaatggcat agtctctc                                    18
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 18
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
109        sequence
111 <400> SEQUENCE: 7
112 gtcgacatgc catctttc                                   18
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 18
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
122        sequence
124 <400> SEQUENCE: 8
125 tatagtacct attgggtg                                   18
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 20
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
135        sequence
137 <400> SEQUENCE: 9
138 atatatggac ttaagcaagc                                 20
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 22
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Same
Error

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144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
148       sequence
150 <400> SEQUENCE: 10
151 gtattgtacg tggatgacat cc                              22
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 18
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
161       sequence
163 <400> SEQUENCE: 11
164 caacagcgct cccactga                                   18
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 18
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
174       sequence
176 <400> SEQUENCE: 12
177 tgctaggact ttcacaga                                   18
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 18
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
187       sequence
189 <400> SEQUENCE: 13
190 caacagtgct cccactga                                   18
193 <210> SEQ ID NO: 14
194 <211> LENGTH: 21
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
200       sequence
202 <400> SEQUENCE: 14
203 taatagtgct cccattgatc t                               21
206 <210> SEQ ID NO: 15
207 <211> LENGTH: 21
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
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Same

RAW SEQUENCE LISTING   DATE: 08/17/2000
PATENT APPLICATION: US/09/485,131   TIME: 15:17:59

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\08172000\I485131.raw

```
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215 <400> SEQUENCE: 15
216 ttggacaacc atattttgac t                                          21
219 <210> SEQ ID NO: 16
220 <211> LENGTH: 20
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
226         sequence
228 <400> SEQUENCE: 16
229 atatggactt aagcaagcca                                            20
232 <210> SEQ ID NO: 17
233 <211> LENGTH: 21
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
239         sequence
241 <400> SEQUENCE: 17
242 acccttttct acttcatgtc t                                          21
245 <210> SEQ ID NO: 18
246 <211> LENGTH: 21
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
252         sequence
254 <400> SEQUENCE: 18
255 gatcaaaaag tttggtttca t                                          21
258 <210> SEQ ID NO: 19
259 <211> LENGTH: 21
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
265         sequence
267 <400> SEQUENCE: 19
268 tagagttttc catactaaac c                                          21
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 19
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
278         sequence
280 <400> SEQUENCE: 20
281 gctcggtacc catatatgg                                             19
284 <210> SEQ ID NO: 21
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Same

RAW SEQUENCE LISTING   DATE: 08/17/2000
PATENT APPLICATION: US/09/485,131   TIME: 15:17:59

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\08172000\I485131.raw

```
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286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
291       sequence
293 <400> SEQUENCE: 21
294 catattggcg ttcatggag                                        19
297 <210> SEQ ID NO: 22
298 <211> LENGTH: 20
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
304       sequence
306 <400> SEQUENCE: 22
307 tccatgaaag acctaggtga                                       20
310 <210> SEQ ID NO: 23
311 <211> LENGTH: 21
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
317       sequence
319 <400> SEQUENCE: 23
320 agtatggaaa actctaagag g                                     21
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324 <211> LENGTH: 30
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
330       sequence
332 <400> SEQUENCE: 24
333 atatatggac ttaagcaagc atctcggagc                            30
336 <210> SEQ ID NO: 25
337 <211> LENGTH: 21
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
343       sequence
345 <400> SEQUENCE: 25
346 ttttctactt catgtctgaa t                                     21
349 <210> SEQ ID NO: 26
350 <211> LENGTH: 20
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence
354 <220> FEATURE:
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Same

VERIFICATION SUMMARY   DATE: 08/17/2000
PATENT APPLICATION: US/09/485,131   TIME: 15:18:00

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\08172000\I485131.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

1651

RAW SEQUENCE LISTING   DATE: 08/17/2000
PATENT APPLICATION: US/09/485,131 TIME: 14:12:16

Does Not Comply
Corrected Diskette Needed

Input Set : A:\0147-193.txt.txt
Output Set: N:\CRF3\08162000\I485131.raw

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    3 <110> APPLICANT: ROHDE, Wolfgang
    4        BECKER, Dieter
    5        SALAMINI, Francesco
    7 <120> TITLE OF INVENTION: The Use of Primers for Universal Fingerprint Analysis
    9 <130> FILE REFERENCE: 147-193P
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/485,131
C--> 12 <141> CURRENT FILING DATE: 2000-06-22
   14 <150> PRIOR APPLICATION NUMBER: PCT/EP98/04877
   15 <151> PRIOR FILING DATE: 1998-08-05
   17 <150> PRIOR APPLICATION NUMBER: EP 97 11 3601.5
   18 <151> PRIOR FILING DATE: 1997-08-06
   20 <160> NUMBER OF SEQ ID NOS: 45
   22 <170> SOFTWARE: PatentIn Ver. 2.1
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ERRORED SEQUENCES

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  596 <210> SEQ ID NO: 45
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  598 <212> TYPE: DNA
  599 <213> ORGANISM: Artificial Sequence
  601 <220> FEATURE:
  602 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
  603        sequence
  605 <400> SEQUENCE: 45
  606  aataaatcga tcatcgactc taaaggacct                           30
E--> 612 10
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Extraneous material at end of file causes a miscount of bases. This needs to be deleted.

VERIFICATION SUMMARY   DATE: 08/17/2000
PATENT APPLICATION: US/09/485,131   TIME: 14:12:17

Input Set : A:\0147-193.txt.txt
Output Set: N:\CRF3\08162000\I485131.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:612 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:30 SEQ:45